

IN THE SPECIFICATION

On page 1, after the Title and before line 1, please insert the following new paragraph:

-- This application is a 35 U.S.C. 371 of International Patent Application No. PCT/IB03/50020 filed November 6, 2003, and claims the benefit thereof.--.

Please amend the paragraph beginning at page 5, line 1, as follows:

-- The positions of the antennas A1 and A2 are such that the instantaneous received signals thereon are not correlated. However, if, with respect to the received signals, a time difference not equal to zero is observed, then the signals show correlation, which is advantageously used in the ~~system-receiver 1~~. Generally, the distance d between the antennas A1 and A2 is much larger than the wavelength of the received signal divided by two in order to acquire optimum antenna diversity results. If the ~~system-receiver 1~~ is positioned in a vehicle moving at a speed v and if the antennas are roughly positioned on a straight line in the direction of motion, then it can be said that channel parameter estimates (e_{A1}) from the one antenna are used to better estimate the channel (e_{A2}) for the other antenna, but a time delay of d/v seconds later, as shown in Fig. 2. In another practical embodiment of the ~~system receiver 1~~, the delay value of d/v may be estimated explicitly, for

| example.. in the estimating means 6, 7. The delay value is then used
for the estimated channel parameters, to optimally synchronize the
estimation process in the various branches.--.